



# WHAT'S NEXT FOR IN-HOME COMFORT

Carrier Ductless Systems





# *ENHANCING YOUR IN-HOME COMFORT ONE ROOM AT A TIME*

**Ductless systems are becoming an increasingly popular HVAC choice in homes across the U.S. Why?** Because not only can they heat and cool any space with precision—but, in most cases, they don't require ductwork, which provides homeowners with increased flexibility.

Often called “mini-splits,” ductless systems use the same process for heating and cooling as traditional systems. However, instead of delivering hot or cool air to an entire home (through ducts and vents), each ductless unit blows air directly into a single room. This allows for greater comfort control of individual spaces and improves energy efficiency and sustainability along the way.





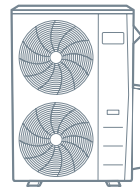


# CARRIER. MAKING INDOOR SPACES MORE LIVABLE.

As a general rule of thumb, complete ductless systems include:



**Indoor unit(s)**  
with a coil and  
blower fan



**Outdoor unit**  
with a compressor,  
coil and fan



**Copper refrigerant tubing**  
and electrical wiring that  
connects the indoor and  
outdoor units

Carrier Ductless systems also use Inverter technology—which continually adjusts the compressor speed as conditions change for consistent temperatures, quiet operation and lower energy usage. Plus, enjoy year-round comfort with a system that performs in even the harshest of conditions.

With Carrier Ductless solutions on hand, any space can become a more comfortable place.

# MORE OF WHAT YOU NEED & LESS OF WHAT YOU DON'T

It goes without saying that ductless systems have benefits to spare. Even the most challenging areas to control and maintain can be turned into comfortable, usable spaces with the addition of ductless.

## ENHANCED COMFORT

- **Air Quality**—Each Carrier Ductless unit has removable, washable air filters inside. This helps prevent airborne particles from recirculating in your home's air, keeping it fresher and cleaner. Plus, our top-of-the-line systems allow you to precisely control humidity levels, so rooms never feel too damp or too dry.
- **Multi-Zone Capabilities**—Our multi-zone outdoor unit can connect and power several indoor units at the same time, which helps achieve the desired comfort level for every room.
- **Smart Controls**—Carrier Ductless systems have Wi-Fi® connectivity that lets you adjust settings from your smartphone, integrated sensors that can direct airflow toward the people in the room and third-party thermostat compatibility.
- **Quiet Operation**—Ultra-quiet operation reduces noise pollution both indoors and out for more peaceful, comfortable spaces.



## GREATER SUSTAINABILITY

- **Energy Efficiency**—Ductless systems only use power when it's needed, reducing energy consumption and keeping costs down in tandem.
- **Energy Savings**—Carrier Ductless systems are Energy Star rated. And because they allow you to select which rooms to heat or cool (instead of an entire house), energy use is limited to those specific areas. This also helps offset the energy loss commonly experienced in older homes.
- **SEER** (Seasonal Energy Efficiency Ratio) measures the cooling efficiency of a system. The higher the SEER, the less energy needed to cool your home. 42.0 is the industry's highest rating—and, not coincidentally, right where some Carrier systems land.
- **HSPF** (Heating Seasonal Performance Factor) is how the heating efficiency of the system is measured. Just like SEER, the higher the HSPF number, the more efficient the heat pump. Carrier systems have an up to 15.0 HSPF rating.

*CARRIER DUCTLESS  
SYSTEMS DON'T  
JUST KEEP YOU  
COMFORTABLE—  
THEY ALSO HELP  
THE PLANET AND  
KEEP YOUR UTILITY  
BILLS DOWN.*



# IMPROVED APPLICATION FLEXIBILITY

## RENOVATIONS & EXPANSIONS

The flexibility of ductless systems means they can be easily integrated into new architecture without having to accommodate for additional space between walls and ceilings. When converting an existing area that may not be connected to the central HVAC system into a new living space (i.e., a basement, attic or garage), ductless is a simple solution for providing comfort year-round.

## EASY INSTALLATION

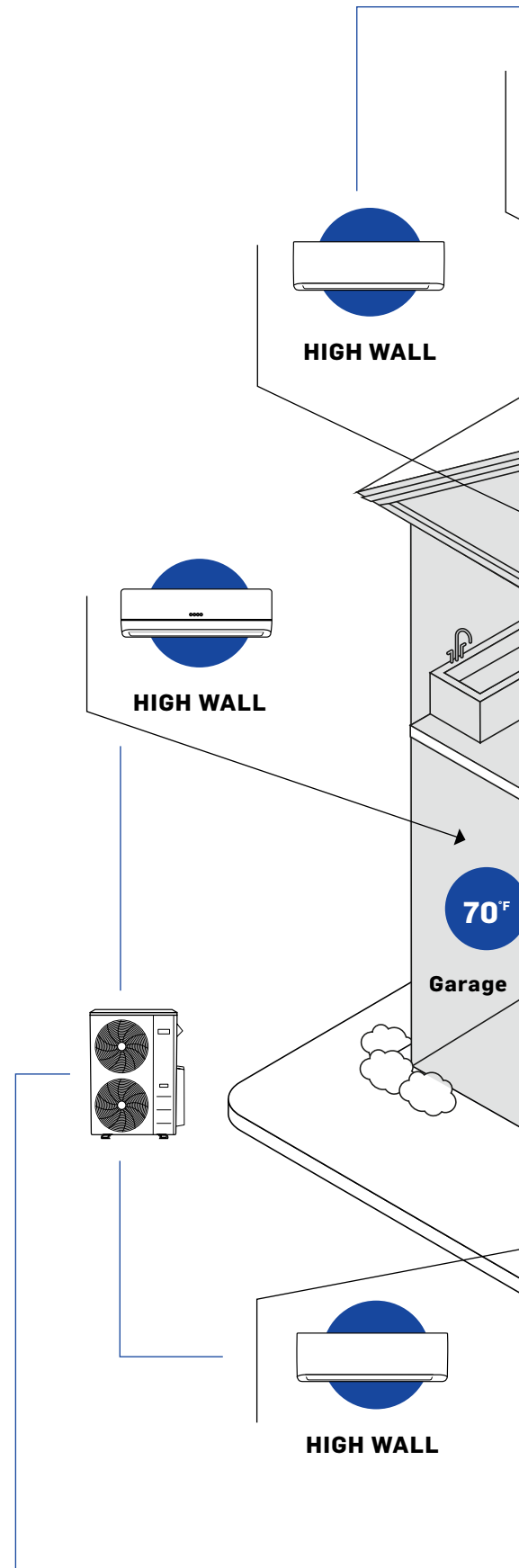
The system's refrigerant pipe and electrical cable enter the house through a three-inch hole in the wall. That's it! Installation is quick, non-intrusive and minimally disruptive to your space.

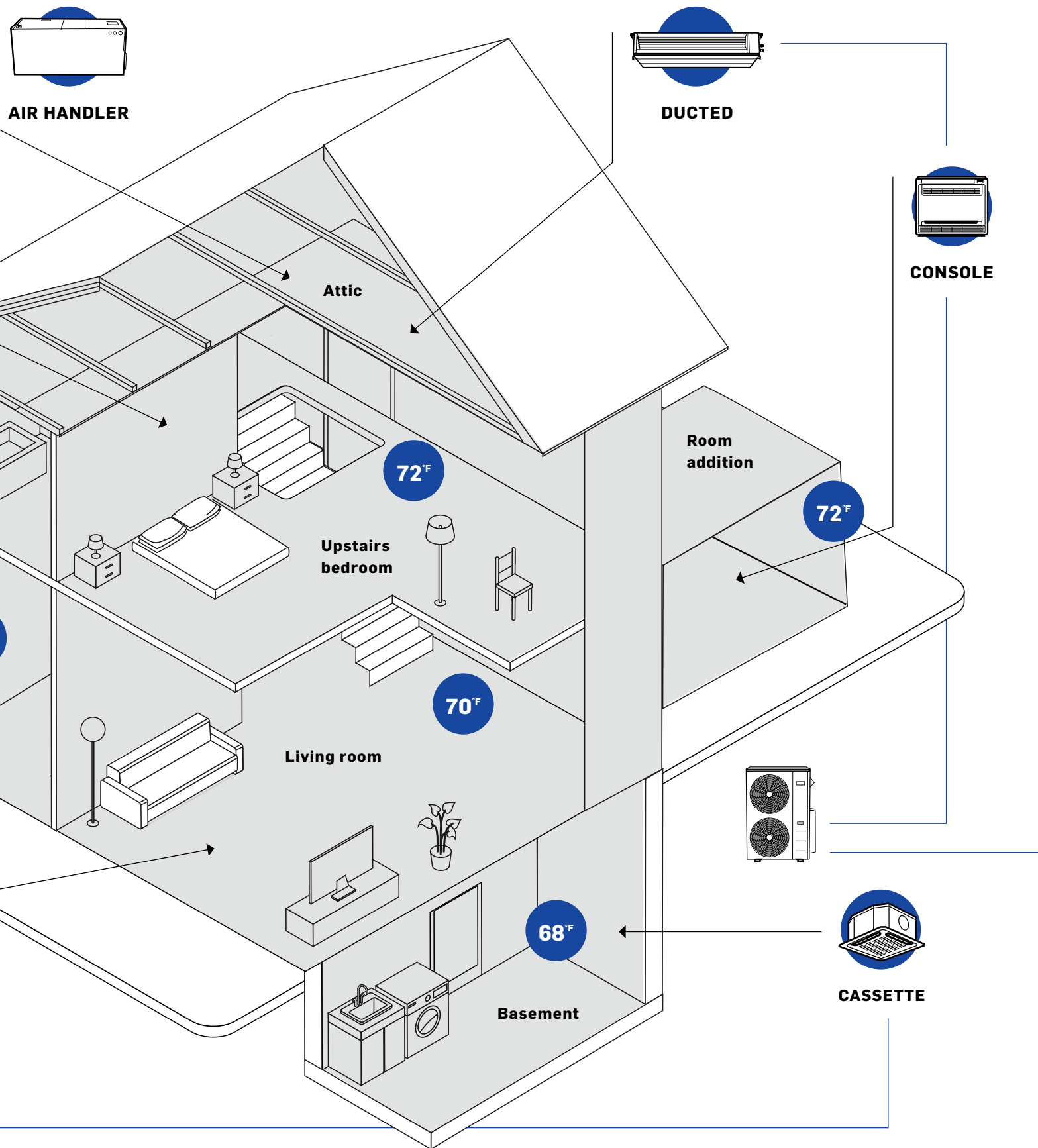
## CONSISTENT TEMPERATURES

Have a room that's too hot or too cold? No problem. Ductless can help you target areas with uneven temperatures for more consistent comfort.

## OLDER & HISTORIC HOMES

When your home doesn't have the space to add ductwork, ductless is an ideal solution that doesn't require costly renovations and installation.





*A BRAND THAT  
HAS NEVER  
STOPPED  
INNOVATING—  
& NEVER WILL*



Founded upon Willis Carrier's invention of the modern air conditioning in 1902, Carrier is a world leader in heating, cooling and refrigeration solutions. We are constantly building upon our history of proven innovation with new products and services that improve global comfort and efficiency—addressing customer challenges and providing great experiences along the way.

But our innovation doesn't stop there. From the hiring of the first female air conditioning engineer to the creation of the first air conditioning systems for skyscrapers, homes, factories and ships, Carrier continues to look for ways to advance comfort.

As a trusted partner for precise temperature and humidity control, we know a thing or two about innovation. And it's this same innovation that we put to work in your home. For enhanced in-home comfort, Carrier is the expert you can count on.

*"AT THE TIME DUCTLESS PRODUCTS STARTED GETTING POPULAR, WE WERE FORCED TO USE AN INFERIOR BRAND WHICH CAUSED INSTALLATION ISSUES IN THE FIELD AND PLENTY OF WARRANTY CALLS FOR OUR SERVICE DEPARTMENT. WHEN CARRIER CAME OUT WITH ITS DUCTLESS LINE, WE WERE THRILLED! AS A FACTORY AUTHORIZED DEALER FOR CARRIER WE ALREADY KNEW THE QUALITY AND RELIABILITY WOULD BE THERE, AND WE WERE NOT DISAPPOINTED."*

**Shannon Nielsen, Vice President of Operations, Airplus of California, Inc.**

"Fayette Furnace Company has been installing ductless split units for at least the last decade. We started installing these units in homes and businesses that had areas that needed additional cooling. As time progressed and efficiencies improved, the systems became more and more desirable for use throughout the entire home or building for both heating and cooling. Now we are doing very limited ducted attic jobs and increasing ductless split installations, with some applications using the ductless splits as the primary heating and cooling year-round. These systems are ideal for any application."





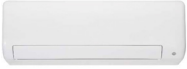

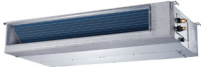


**Michael T. Salanick, Owner/President,  
Fayette Furnace Company**

"Hawaii has a very competitive mini-split/Ductless market. With many different options available, Carrier DLS provides a good product with competitive pricing. Backed by a big name in the industry, given time and good advertising, Carrier DLS/minisplits will be a bigger player in this market."

**Richard Chong, Ductless Dealer &  
Innovative, AC Owner**

# DUCTLESS & VRF SYSTEMS

## Product Lineup

Product Line	Outdoor Units	Indoor Units		
<p><b>INFINITY</b> SERIES</p> <p><b>Capacity Range</b></p> <ul style="list-style-type: none"> <li>• 9–24K Btu/h</li> <li>• Up to 42 SEER</li> <li>• Up to 15 HSPF</li> </ul> <p><b>Pump Type</b></p> <p>Heat Pump</p>	 <p>Outdoor Unit 38MPRA</p>	 <p>High Wall 40MPHA 9/12K</p>	 <p>High Wall 40MPHA 18/24K</p>	
<p><b>Performance</b> SERIES</p> <p><b>Capacity Range</b></p> <ul style="list-style-type: none"> <li>• 6–36K Btu/h</li> <li>• Up to 28.1 SEER</li> <li>• Up to 13 HSPF</li> </ul> <p><b>Pump Type</b></p> <p>Heat Pump</p>	 <p>Outdoor Unit 38MARB</p>	 <p>High Wall 40MAHB</p>	 <p>Cassette 40MBCQ</p>	 <p>Ducted 40MBFQ</p>
<p><b>Comfort</b> SERIES</p> <p><b>Capacity Range</b></p> <ul style="list-style-type: none"> <li>• 9–24K Btu/h</li> <li>• Up to 19.8 SEER</li> <li>• Up to 10.6 HSPF</li> </ul> <p><b>Pump Type</b></p> <p>Heat Pump Cooling Only</p>	 <p>Outdoor Unit 38MHRC</p>	 <p>High Wall 40MHH</p>		





# *SINGLE ZONE*



## INFINITY® SERIES

### 38MPRA OUTDOOR UNIT



# Infinity®

## Heat Pump With Basepan Heater

### FEATURES OUTDOOR

- 100% cooling capacity at -22° F (-30° C) without additional kit
- Available in 208/230V
- Built-in basepan heater
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 55 dB(A)
- Anti-corrosive fin coating
- Piping length 98 ft. (30m.)
- Cooling operating range -22° ~ 122° F (-30° ~ 50° C)
- Heating operating range -22° ~ 86° F (-25° ~ 30° C)

### COMPATIBLE WITH:

- 40MPHA High Wall (p 24)

INFINITY® SERIES

### Heat Pump With Basepan Heater

Inverter Compressor

Up to 42.0 SEER

Up to 15.0 HSPF

Sizes: 09 / 12 / 18 / 24

All Systems are ENERGY STAR® certified



### KEY FEATURES

#### Extra-Low Temperature Heating

Heat output up to 75% of rated capacity down to -22° F (-30° C), so when it's cold outside, it will be warm inside, making this a primary heat source and eliminating the need for a backup heat source.

#### Stepless Frequency Adjustment

Precise control maintains stable and constant room temperature while reducing sound level and saving energy.



High Wall

**SPECIFICATIONS:**

38MPRA Outdoor Unit					
Heat Pump System					
Size		9	12	18	24
Outdoor Model		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
Electrical					
Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A	13	15	18	20
MOCP - Fuse Rating	A	15	20	30	30
Operating Range					
Cooling Outdoor DB Min - Max	° F (° C)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping					
Total Piping Length	ft (m)	98 (30)	98 (30)	98 (30)	98 (30)
Piping Lift*	ft (m)	49 (15)	49 (15)	65 (20)	65 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8" (9.52)	3/8" (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	5/8" (15.9)	5/8" (15.9)
Refrigerant					
Type		R410A	R410A	R410A	R410A
Charge	lb (kg)	3.5 (1.58)	3.5 (1.58)	5.7 (2.6)	6.5 (2.95)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	33.27 (845)	33.27 (845)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	27.64 (702)	27.64 (702)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	14.29 (363)	14.29 (363)	16.14 (410)	16.14 (410)
Net Weight	lb (kg)	107.59 (48.8)	108.47 (49.2)	135.4 (61.4)	145.1 (65.8)
Airflow	cfm	1,380	1,380	2,236	2,236
Sound Pressure	dB(A)	55.5	56.0	61.5	62.0

\*Condensing unit above or below indoor unit

**COMPATIBILITY:**

Indoor Unit		Outdoor Unit			
		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
High Wall	40MPHAQ09XA3	•			
	40MPHAQ12XA3		•		
	40MPHAQ18XA3			•	
	40MPHAQ24XA3				•

High Wall					
Indoor Model		40MPHAQ09XA3	40MPHAQ12XA3	40MPHAQ18XA3	40MPHAQ24XA3
<b>ENERGY STAR®</b>		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.5	1.8
Cooling Rated Capacity	Btu/h	9,000	12,000	18,000	22,000
Cooling Cap. Range Min - Max	Btu/h	5,000~17,000	5,800~19,000	6,888~30,511	7,445~32,644
SEER		42.0	32.0	28.2	23.5
EER		15.0	13.5	14.5	13.65
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	7,200	6,800	12,300	15,450
Heating Max Capacity (17° F)	Btu/h	15,690	17,070	22,000	22,000
Heating Max Capacity (5° F)	Btu/h	13,000	13,800	18,000	24,000
Heating Max Capacity (-13° F)	Btu/h	8,917	9,782	16,572	19,799
Heating Cap. Range Min - Max	Btu/h	3,100~19,100	3,500~21,000	10,835~29,414	12,050~32,270
HSPF		15.0	14.0	14.0	12.0
COP (47° F)	W/W	4.00	4.24	4.12	3.89
COP (17° F)	W/W	2.78	2.64	3.20	3.00
COP (5° F)	W/W	2.00	2.00	2.00	2.00

**INFINITY® SERIES**  
40MPHA HIGH WALL



# Infinity® High Wall Indoor Unit

**FEATURES**

- Available in 208/230V
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully modulating fan speeds
- Sleep Mode
- Up-down/right-left louver control (fixed or swing)
- **Relative Humidity Sensor**
- **Occupancy Sensor** (only sizes 09/12)
- **Wi-Fi® Smartphone Control Built-in**
- ECO Mode
- Carbon Filter
- *Follow Me* (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 29 dB(A)
- Anti-corrosive fin coating

**COMPATIBLE WITH:**

- 38MPRA Outdoor Unit Single Zone (p 22)
- 38MGR Outdoor Unit Multi-Zone (p 56)



Sizes: 09 / 12 / 18 / 24

**KEY FEATURES**

**Relative Humidity Sensor**

Increasing comfort customizing the relative humidity in 5% increments in a range of 35% ~ 85%.

**Occupancy Sensor**

Detects activity in the room and adjusts the horizontal angle of airflow to blow away from people or follow people.

**CONTROLS**

Wireless Remote Controller included with indoor unit  
Wired Remote Controller KSACN0601AAA (7-Day Programmable) (Optional)



**Optional  
Wired Controller  
(7-Day Programmable)  
KSACN0601AAA**



**Wireless  
Remote  
Controller**

**ACCESSORIES**

24V Interface for third-party thermostat compatibility KSAIC0301230 (optional)

**SPECIFICATIONS:**

40MPHA High Wall					
Heat Pump					
System					
Size		9	12	18	24
Indoor Model		40MPHAQ09XA3	40MPHAQ12XA3	40MPHAQ18XA3	40MPHAQ24XA3
Electrical					
Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit			
MCA	A	0.3	0.3	0.5	0.5
Controls					
Wireless Remote Controller (° F / ° C Convertible)		Standard	Standard	Standard	Standard
Wired Remote Controller (° F / ° C Convertible)		Optional	Optional	Optional	Optional
Operating Range					
Cooling Indoor DB Min - Max	° F (° C)	62~90 (17~32)	62~90 (17~32)	62~90 (17~32)	62~90 (17~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping					
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8" (9.52)	3/8" (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	5/8" (15.9)	5/8" (15.9)
Indoor					
Unit Width	in (mm)	35.2 (895)	35.2 (895)	49.57 (1,259)	49.57 (1,259)
Unit Height	in (mm)	11.7 (298)	11.7 (298)	14.25 (362)	14.25 (362)
Unit Depth	in (mm)	9.8 (248)	9.8 (248)	11.10 (282)	11.10 (282)
Net Weight	lb (kg)	37.48 (17)	37.48 (17)	43.4 (19.7)	43.4 (19.7)
Number of Fan Speeds		4	4	4	4
Airflow (lowest to highest)	cfm	144/245/295/345	168/252/306/357	261/389/528/926	359/470/583/926
Sound Pressure (lowest to highest)	dB(A)	29/35.5/41.5/45.6	29/35.5/41.5/46.8	35.1/40.8/46.1/55.9	36.1/43.3/46.4/56.5
Air Throw Data	ft (m)	21.98 (6.7)	22.97 (7)	28.80 (8.7)	31.66 (9.65)
Moisture Removal	Pint/h (L/h)	2.11 (1.0)	2.53 (1.2)	3.8 (1.8)	5.0 (2.39)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)

Performance may vary based on the compatible outdoor units.

See respective pages for performance data.

**COMPATIBILITY:**

Indoor Unit	40MPHAQ09XA3	40MPHAQ12XA3	40MPHAQ18XA3	40MPHAQ24XA3
Outdoor Unit Single Zone*	38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
Outdoor Unit Multi-zone*	38MGRQ18B--3 38MGRQ24C--3 38MGRQ30D--3 38MGRQ36D--3 38MGRQ48E--3			

Indoor units sizes 18-24 not compatible with Multi-Zone 38MGR due to size of the indoor unit coil.

**PERFORMANCE™ SERIES**  
38MARB OUTDOOR UNITS



# Performance™ Heat Pump with Basepan Heater



**FEATURES OUTDOOR**

- 100% Heating Capacity at -4° F (-20° C)\*
- Available in 208/230V (6-36K) and 115V (12K)
- Built-in basepan heater
- Auto-restart function
- Anti-corrosive fin coating
- Piping Length up to 213 ft (65m)
- Cooling operating range -22° ~ 130° F (-30° ~ 55° C)
- Heating operating range -22° ~ 86° F (-25° ~ 30° C)

**COMPATIBLE WITH**

- 40MAHB High Wall (p 30)
- 40MBCQ Cassette (p 32)
- 40MBDQ Ducted (p 34)
- 40MBFQ Console (p 38)
- FMA4X Fan Coil
- FMC-FMU Fan Coil
- FV4C Fan Coil
- FX4D Fan Coil
- FB4C Fan Coil
- 40MBAA Air Handler (p 36)

Performance  
SERIES

**Heat Pump With Basepan Heater**

Inverter Compressor

Up to 28.1 SEER

Up to 13.0 HSPF

Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36 (208-230V); Size 12 (115V)

Select sizes are ENERGY STAR® certified based on indoor unit pairing

**KEY FEATURES**

**Extra-Low Temperature Heating**

Heat output up to 69% of rated capacity at -22° F (-30° C). So, when it's cold outside, it will be warm inside, making this a primary heat source and eliminating the need for a backup.

**Rapid Cooling and Heating**

After startup, the compressor quickly gets up to maximum speed, cooling or heating the room in minutes.



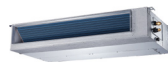
**High Wall**



**Cassette  
Sizes 09 / 12 / 18**



**Cassette  
Size 24**



**Ducted**



**Floor Console  
Size 12**



**Console  
Sizes 18 / 24**



**Vertical Fan  
Coil  
FMA4X**



**Horizontal Fan  
Coil  
FMC/FMU**



**Fan Coil  
FV4C, FX4D,  
FB4C**



**Air Handler  
Size 24**

\* For certain models.

**PERFORMANCE:**

40MAHB High Wall									
Size		12	6	9	12	18	24	30	36
Indoor Model		40MAHBQ12XA1	40MAHBQ06XA3	40MAHBQ09XA3	40MAHBQ12XA3	40MAHBQ18XA3	40MAHBQ24XA3	40MAHBQ30XA3	40MAHBQ36XA3
<b>ENERGY STAR®</b>		<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>NO</b>	<b>NO</b>
Cooling Rated Capacity	Btu/h	12,000	6,000	9,000	12,000	18,000	24,000	30,000	36,000
Cooling Cap. Range Min - Max	Btu/h	3,500~13,200	2,500~11,000	3,300~13,400	3,300~14,300	8,870~19,400	6,850~2,700	9,070~30,700	9,300~38,800
SEER		23.0	26.5	28.1	25.5	21.5	21.5	20.0	17.5
EER		13.0	15.8	16.2	14	12.5	13.0	11.5	8.5
Heating Rated Capacity (47° F)	Btu/h	12,100	7,400	11,800	12,000	18,000	29,000	30,000	36,000
Heating Rated Capacity (17° F)	Btu/h	7,400	4,900	7,500	7,500	10,800	19,800	19,000	22,400
Heating Maximum Capacity (17° F)	Btu/h	12,200	9,000	12,000	12,000	14,000	24,480	20,670	23,600
Heating Maximum Capacity (5° F)	Btu/h	7,100	7,500	10,500	11,650	18,000	25,400	17,200	20,400
Heating Cap. Range Min - Max	Btu/h	5,000~12,200	3,500~11,600	5,000~15,200	5,000~15,300	8,400~19,500	8,600~31,000	8,600~34,800	11,570~37,000
HSPF		11.5	14.0	13.0	13.0	13.0	12.0	9.6	9.0
COP (47° F)	W/W	3.70	3.90	3.81	3.81	3.10	3.40	2.60	2.51
COP (17° F)	W/W	2.67	3.05	3.00	3.00	2.80	3.05	2.25	2.18
COP (5° F)	W/W	2.18	1.90	1.80	1.80	1.80	1.80	1.75	1.75

**PERFORMANCE:**

40MBCQ Cassette					
Size		9	12	18	24
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
<b>ENERGY STAR®</b>		<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>NO</b>
Cooling System Tons		0.75	1.00	1.33	2.00
Cooling Rated Capacity	Btu/h	9,000	12,000	16,000	24,000
Cooling Cap. Range Min - Max	Btu/h	2,850~11,100	3,000~13,700	5,600~17,000	8,000~25,000
SEER		20.5	21.5	20.0	20.0
EER		13.0	12.7	12.5	11.0
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	6,650	8,250	11,200	15,100
Heating Maximum Capacity (17° F)	Btu/h	11,800	14,000	21,000	24,200
Heating Maximum Capacity (5° F)	Btu/h	9,800	11,500	16,300	23,600
Heating Cap. Range Min - Max	Btu/h	1,800~12,500	2,000~15,300	8,700~21,000	11,840~27,000
HSPF		10.8	10.6	10.3	11.6
COP (47° F)	W/W	2.93	3.22	2.88	3.50
COP (17° F)	W/W	1.80	2.20	1.80	2.70
COP (5° F)	W/W	1.80	1.86	1.80	1.80

**PERFORMANCE:**

40MBDQ Ducted					
Size		9	12	18	24
Indoor Model		40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
<b>ENERGY STAR®</b>		<b>YES</b>	<b>YES</b>	<b>YES</b>	<b>YES</b>
Cooling System Tons		0.75	1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,500	24,000
Cooling Cap. Range Min - Max	Btu/h	2,400~12,500	2,250~14,400	6,500~18,800	6,500~27,800
SEER		23.0	21.5	19.6	20.6
EER		14.0	13.0	12.5	12.5
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	19,000	24,600
Heating Rated Capacity (17° F)	Btu/h	6,450	8,350	12,700	16,500
Heating Maximum Capacity (17° F)	Btu/h	11,600	12,900	21,500	26,500
Heating Maximum Capacity (5° F)	Btu/h	9,500	12,400	17,300	24,600
Heating Cap. Range Min - Max	Btu/h	1,700~15,600	1,800~16,300	8,900~22,000	12,200~32,200
HSPF		12.0	11.5	11.0	12.6
COP (47° F)	W/W	3.62	3.52	2.93	3.66
COP (17° F)	W/W	1.90	2.00	1.90	2.80
COP (5° F)	W/W	1.80	1.87	1.80	2.01

# PERFORMANCE™ SERIES 38MARB OUTDOOR UNITS

## PERFORMANCE:

40MBFQ Console				
Size		12	18	24
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
ENERGY STAR®		YES	YES	NO
Cooling System Tons		1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	12,000	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	2,800~13,500	7,800~19,900	9,000~26,800
SEER		23.0	20.2	20.2
EER		13.0	12.5	11.5
Heating Rated Capacity (47° F)	Btu/h	12,000	18,000	24,600
Heating Rated Capacity (17° F)	Btu/h	8,400	12,000	15,240
Heating Maximum Capacity (17° F)	Btu/h	13,100	20,700	26,661
Heating Maximum Capacity (5° F)	Btu/h	12,100	16,400	23,600
Heating Cap. Range Min - Max	Btu/h	2,350~15,700	8,600~21,500	12,500~30,500
HSPF		11.5	10.6	11.6
COP (47° F)	W/W	3.22	3.19	3.52
COP (17° F)	W/W	2	1.8	2.7
COP (5° F)	W/W	1.84	1.80	1.80

40MBAA Air Handler		
Size		24
Indoor Model		40MBAAQ24XA3
ENERGY STAR®		YES
Cooling System Tons		1.80
Cooling Rated Capacity	Btu/h	22,000
Cooling Cap. Range Min - Max	Btu/h	7,500~26,000
SEER		20.0
EER		12.5
Heating Rated Capacity (47° F)	Btu/h	27,000
Heating Rated Capacity (17° F)	Btu/h	16,500
Heating Maximum Capacity (17° F)	Btu/h	25,000
Heating Maximum Capacity (5° F)	Btu/h	21,500
Heating Cap. Range Min - Max	Btu/h	5,600~31,000
HSPF		11.6
COP (47° F)	W/W	3.77
COP (17° F)	W/W	2.60
COP (5° F)	W/W	1.80

## SPECIFICATIONS:

38MARB Outdoor Unit									
Heat Pump									
System									
Size		12	6	9	12	18	24	30	36
Outdoor Model		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
Electrical									
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	19	13	15	15	16	25	23	28
MOCP - Fuse Rating	A.	25	15	15	15	25	35	30	35
Operating Range									
Cooling Outdoor DB Min - Max	° F (° C)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping									
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	213 (65)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	32 (10)	65 (20)	82 (25)	82 (25)	98 (30)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Refrigerant									
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	in (mm)	2.47 (1.12)	2.38 (1.08)	2.6 (1.18)	2.6 (1.18)	4.08 (1.85)	5.73 (2.6)	6.06 (2.75)	7.50 (3.40)
Compressor									
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor									
Unit Width	in (mm)	30.12 (765)	30.12 (765)	31.69 (805)	31.69 (805)	35.04 (890)	37.24 (946)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	24.02 (610)	21.85 (555)	24.21 (615)	24.21 (615)	29.13 (740)	34.84 (885)	34.84 (885)	34.84 (885)
Unit Depth	in (mm)	11.93 (303)	11.93 (303)	12.99 (330)	12.99 (330)	13.46 (342)	16.14 (410)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	66.80 (30.3)	63.71 (28.9)	74.07 (33.6)	73.63 (33.4)	100.97 (45.8)	134.48 (61)	141.76 (64.3)	150.13 (68.1)
Airflow	CFM	794	1,324	1,324	1,324	1,765	2,235	2,235	2,235
Sound Pressure	dB(A)	54.0	54.5	54.5	56.0	59.0	62.0	61.5	61.5

\*Condensing unit above or below indoor unit.

**COMPATIBILITY:**

Indoor Unit		Outdoor Unit							
		38MAQB12R--1		38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
40MAHB High Wall	40MAHBQ12XA1	•							
	40MAHBQ06XA3		•						
	40MAHBQ09XA3			•					
	40MAHBQ12XA3				•				
	40MAHBQ18XA3					•			
	40MAHBQ24XA3						•		
	40MAHBQ30XA3							•	
40MBCQ Cassette*	40MBCQ09---3			•					
	40MBCQ12---3				•				
	40MBCQ18---3					•			
	40MBCQ24---3						•		
	40MBCQ36---3								
	40MBCQ48---3								
40MBDQ Ducted*	40MBDQ09---3			•					
	40MBDQ12---3				•				
	40MBDQ18---3					•			
	40MBDQ24---3						•		
	40MBDQ36---3								
	40MBDQ48---3								
	40MBDQ58---3								
40MBFQ Console*	40MBFQ12---3				•				
	40MBFQ18---3					•			
	40MBFQ24---3						•		
	40MBFQ36---3								
	40MBFQ48---3								
	40MBFQ58---3								

\*Cassette, Ducted and Console indoor units sizes 36, 48 & 58 ONLY compatible with 38MBR or 38MBRB Outdoor Unit.

- Not available/compatible or Phased out
- Compatible



## PERFORMANCE™ SERIES

### 40MAHB HIGH WALL



# Performance™ High Wall Indoor Unit

### FEATURES

- Available in 208/230V (6-36K) or 115V (12K)
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully Modulating fan speeds
- Sleep Mode
- Up-Down / Left-Right Louver control (fixed or swing)
- Relative Humidity Sensor with percentage and temperature control
- Intelligent Eye (Occupancy Sensor)
- ECO Mode
- Heating Setback (46° F Heating Mode)
- Anti-corrosive fin coating

### COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 26)
- 38MGR Outdoor Unit Multi-zone (p 56)

Performance  
SERIES

Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36  
(208-230V); Size 12 (115V)

Up to 28.1 SEER

Up to 13.0 HSPF

### KEY FEATURES

#### Time-saving Design

The unit disassembles quickly with a removable filter on top for simplified maintenance. The motor and blower can be serviced without removing the cabinet.

#### Improved Efficiency & Performance

ECO mode with intelligent eight-hour night cycle program saves up to 60% of energy for improved overnight comfort, efficiency and performance.

#### Customizable Comfort

Compatible with both single and multi-zone outdoor units for maximum flexibility.

### CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0801AAA  
(7-Day Programmable)



**Wireless  
Remote Controller**



**Wired Controller  
(7-Day Programmable)  
KSACN0801AAA**

### ACCESSORIES

Wi-Fi® Kit KSAIF0601AAA

24V Interface for third-party thermostat compatibility KSAIC0301230

**SPECIFICATIONS:**

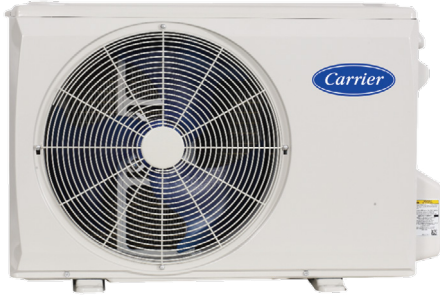
40MAHB High Wall									
Heat Pump									
System									
Size		12	6	9	12	18	24	30	36
Indoor Model		40MAHBQ12XA1	40MAHBQ06XA3	40MAHBQ09XA3	40MAHBQ12XA3	40MAHBQ18XA3	40MAHBQ24XA3	40MAHBQ30XA3	40MAHBQ36XA3
Electrical									
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply	Indoor unit powered from outdoor unit								
MCA	A.	0.2500	0.3125	0.3125	0.3125	0.1625	0.6250	0.6250	0.6250
Controls									
Wireless Remote Controller (° F/° C Convertible)	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Wired Remote Controller (° F/° C Convertible)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
24V Interface for 3rd Party Thermostat Control	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Wi-Fi® Control for Phone App Control	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Operating Range									
Cooling Outdoor DB Min - Max	° F (° C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Outdoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping									
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor Coil									
Face Area	Sq. Ft.	2.15	2.15	2.15	2.15	2.75	3.60	3.60	3.60
No. Rows	2	2	2	2	2	2	3	3	3
Fins per inch	20	20	20	20	20	20	20	20	20
Circuits	3	3	3	3	3	4	7	7	7
Indoor									
Unit Width	in (mm)	31.3 (795)	31.3 (795)	31.3 (795)	31.3 (795)	37.99 (965)	44.88 (1140)	44.88 (1140)	44.88 (1140)
Unit Height	in (mm)	11.61 (295)	11.61 (295)	11.61 (295)	11.61 (295)	12.56 (319)	14.57 (370)	14.57 (370)	14.57 (370)
Unit Depth	in (mm)	8.86 (225)	8.86 (225)	8.86 (225)	8.86 (225)	9.41 (239)	10.83 (275)	10.83 (275)	10.83 (275)
Net Weight	lbs (kg)	22.93 (10.4)	22.71 (10.3)	22.71 (10.3)	22.93 (10.4)	27.12 (12.3)	43.65 (19.8)	43.65 (19.8)	43.65 (19.8)
Number of Fan Speeds	4	4	4	4	4	4	4	4	4
Airflow (lowest to highest)	CFM	235/294/353/412	176/229/335/382	176/229/335/382	176/229/335/382	306/376/524/635	319/414/611/719	382/505/646/843	382/506/639/843
Sound Pressure (lowest to highest)	dB(A)	24/30/41/47	32/34/38/47	32/34/38/47	30/32/37/47	37/40/46/48	37/39/44/52	38/41/46/52	39/41/46/52
Air Throw Data	ft (m)	27.9 (8.5)		24.9 (7.6)	26.2 (8.0)	27.9 (8.5)	31.5 (9.6)	33.8 (10.3)	33.8 (10.3)
Moisture Removal	Pint/h (L/h)	0.048 (0.023)		0.015 (0.007)	0.046 (0.022)	0.091 (0.044)	0.108 (0.052)	0.154 (0.074)	0.240 (0.115)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)

**COMPATIBILITY:**

Indoor Unit	40MAHBQ12XA1	40MAHBQ06XA3	40MAHBQ09XA3	40MAHBQ12XA3	40MAHBQ18XA3	40MAHBQ24XA3	40MAHBQ30XA3	40MAHBQ36XA3
Outdoor Unit Single Zone*	38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
Outdoor Unit Multi-Zone*		38MGRQ18B--3						
		38MGRQ24C--3						
		38MGRQ30D--3						
		38MGRQ36D--3						
		38MGRQ48E--3						

\*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

## COMFORT™ SERIES 38MHRC OUTDOOR UNIT



# Comfort™ Heat Pump

### FEATURES

- Cost competitive
- Factory installed basepan heater
- Factory installed crankcase heater
- Auto-restart function
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation
- Anti-corrosive fin coating

### COMPATIBLE WITH:

- 40MHHC High Wall Cooling only (p 45)
- 40MHHQ High Wall Heat Pump (p 42)

**Comfort™**  
SERIES

### Cooling Only - 38MHRCC

### Heat Pump - 38MHRCQ With Basepan Heater

Sizes: 09 / 12 / 18 / 24 (208-230V); Size 12 (115V)

Up to 19.8 SEER

Up to 11.2 HSPF

### KEY FEATURES

#### Easy Maintenance

Simple and fast installation and maintenance means less system downtime and costs.

#### Small Physical Size

With an optimized cabinet design and small footprint, the unit is unobtrusive and quiet.



**High Wall**

**SPECIFICATIONS:**

38MHRCQ Outdoor Unit						
Heat Pump						
System						
Size		12	9	12	18	24
Outdoor Model		38MHRCQ12AA1	38MHRCQ09AA3	38MHRCQ12AA3	38MHRCQ18AA3	38MHRCQ24AA3
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	18.5	12	15	15	19
MOCP - Fuse Rating	A.	25	15	15	20	30
Operating Range						
Cooling Outdoor DB Min - Max	° F (° C)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)
Cooling Outdoor DB Min - Max	° F (° C)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)
Piping						
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	65 (20)	82 (25)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	1.79 (0.81)	1.59 (0.72)	1.79 (0.81)	2.98 (1.35)	3.92 (1.78)
Compressor						
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor						
Unit Width	in (mm)	30.12 (765)	30.12 (765)	30.12 (765)	31.69 (805)	35.04 (890)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	21.81 (554)	26.50 (673)
Unit Depth	in (mm)	11.93 (303)	11.93 (303)	11.93 (303)	12.99 (330)	13.46 (342)
Net Weight	lbs (kg)	62.17 (28.2)	55.11 (25.0)	59.30 (26.9)	73.85 (33.5)	97.88 (44.4)
Airflow	CFM	1,235	1,294	1,235	1,235	1,765
Sound Pressure	dB(A)	53.5	55.0	55.5	55.0	59.5

\*Condensing unit above or below indoor units.

**COMPATIBILITY:**

Indoor Unit		Outdoor Unit				
		38MHRCQ12AA1	38MHRCQ09AA3	38MHRCQ12AA3	38MHRCQ18AA3	38MHRCQ24AA3
40MHHQ High Wall	40MHHQ12---1	•				
	40MHHQ09---3		•			
	40MHHQ12---3			•		
	40MHHQ18---3				•	
	40MHHQ24---3					•

# COMFORT™ SERIES

## 38MHRC OUTDOOR UNIT

### PERFORMANCE:

40MHHQ High Wall						
Heat Pump						
Indoor Unit		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	0.8	1.0	1.5	2.0
Cooling Rated Capacity	Btu/h	12,000	9,000	12,000	18,000	24,000
Cooling Cap. Range Min - Max	Btu/h	4,500~12,100	2,650~9,500	3,300~13,000	3,760~19,900	6,760~24,300
SEER		19.8	18.5	19.8	19.0	19.0
EER		9.9	11.2	10.2	11.2	9.4
Heating Rated Capacity (47° F)	Btu/h	12,000	10,000	12,000	18,000	24,800
Heating Rated Capacity (17° F)	Btu/h	7,000	5,800	7,000	11,900	15,300
Heating Maximum Capacity (5° F)	Btu/h	7,000	6,500	8,000	10,000	14,000
Heating Cap. Range Min - Max	Btu/h	5,500~12,000	2,600~10,500	3,810~13,490	6,400~19,000	6,040~26,210
HSPF		10.8	10	10	11	10.2
COP (47° F)	W/W	3.00	3.30	3.11	3.20	3.13
COP (17° F)	W/W	2.35	2.25	2.50	2.72	2.62
COP (5° F)	W/W	1.60	1.75	1.75	2.00	1.75

### PERFORMANCE:

40MHHC High Wall					
Cooling Only					
Indoor Unit		40MHHC12--A1	40MHHC12--A3	40MHHC18--3	40MHHC24--3
ENERGY STAR®		NO	NO	NO	NO
Cooling System Tons		1.0	1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	11,500	11,500	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,200~12,800	3,200~12,900	4,500~18,000	6,760~24,300
SEER		20.5	20.5	19.0	17.1
EER		11.2	11.2	10.9	9.3

An economical choice that can  
**provide comfort when you need it.**

**SPECIFICATIONS:**

38MHRCC Outdoor Unit					
Cooling Only					
System					
Size		12	12	18	24
Outdoor Model		38MHRCC12AA1	38MHRCC12AA3	38MHRCC18AA3	38MHRCC24AA3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	19	9	19	19
MOCP - Fuse Rating	A.	30	15	30	30
Operating Range					
Cooling Outdoor DB Min - Max	° F (° C)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)
Piping					
Total Piping Length	ft (m)	82 (25)	82 (25)	98 (30)	164 (50)
Piping Lift*	ft (m)	33 (10)	33 (10)	66 (20)	66 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant					
Type		R410A	R410A	R410A	R410A
Charge	lbs (kg)	1.43 (0.65)	1.43 (0.65)	1.98 (0.90)	3.92 (1.78)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	28.35 (720)	28.35 (720)	30.12 (765)	35.04 (890)
Unit Height	in (mm)	19.49 (495)	19.49 (495)	21.85 (555)	26.50 (673)
Unit Depth	in (mm)	10.63 (270)	10.63 (270)	11.93 (303)	13.46 (342)
Net Weight	lbs (kg)	51.15 (23.2)	48.72 (22.1)	61.51 (27.9)	97.88 (44.4)
Airflow	CFM	1,059	1,059	1,235	1,765
Sound Pressure	dB(A)	52.0	52.5	55.5	59.5

\*Condensing unit above or below indoor units.

**COMPATIBILITY:**

Indoor Unit		Outdoor Unit			
		38MHRCC12AA1	38MHRCC12AA3	38MHRCC18AA3	38MHRCC24AA3
40MHHC High Wall	40MHHC12--A1	•			
	40MHHC12--A3		•		
	40MHHC18---3			•	
	40MHHC24---3				•

## COMFORT™ SERIES

### 40MHH HIGH WALL



# Comfort™ High Wall Indoor Unit

### FEATURES

- Available in 115V and 208/230V
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Up-down louver control (fixed or swing)
- **Filter removal from the top**
- **Improved serviceability**
- Four fan speeds
- Sleep Mode
- *Follow Me* (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 27 dB(A)
- Anti-corrosive fin coating

### COMPATIBLE WITH:

- 38MHRC Outdoor Unit Single Zone (p 40)
- 38MGR Outdoor Unit Multi-Zone (p 56)

**Comfort™**  
SERIES

### Cooling Only – 40MHHC

### Heat Pump – 40MHHQ

Sizes: 09 / 12 / 18 / 24

### KEY FEATURES

#### Improved Serviceability

Full access to the terminal connections and fan after lifting the front cover of the high wall for easy installation and service.

#### Convenient Filter Removal

The filter is conveniently located on the inlet, allowing direct removal from the top of the unit without opening the panel.

### CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller (7-Day Programmable)



**Optional  
Wired Controller  
(7-Day Programmable)  
KSACN0601AAA**



**Wireless  
Remote  
Controller**

### ACCESSORIES

Wi-Fi® Smartphone control kit KSAIF0101AAA (sizes 09/12/24)

Wi-Fi® Smartphone control kit KSAIF0201AAA (size 18)

24V Interface for compatibility with conventional thermostat KSAIC0301230

**SPECIFICATIONS:**

40MHH High Wall					
Cooling Only					
System					
Size		12	12	18	24
Indoor Model		40MHHC12--A1	40MHHC12--A3	40MHHC18---3	40MHHC24---3
Electrical					
Voltage, Phase, Cycle	V/Ph/Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor Unit Powered From Outdoor Unit			
MCA	A	0.2	0.1	0.27	0.4
Controls					
Wireless Remote Controller (° F / ° C Convertible)		Standard	Standard	Standard	Standard
Wired Remote Controller (° F / ° C Convertible)		Optional	Optional	Optional	Optional
Operating Range					
Cooling Indoor DB Min - Max	° F (° C)	62~90 (17~32)	62~90 (17~32)	62~90 (17~32)	62~90 (17~32)
Piping					
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor					
Unit Width	in (mm)	32.00 (813)	32.00 (813)	38.36 (974)	43.83 (1113)
Unit Height	in (mm)	11.81 (300)	11.81 (300)	12.8 (325)	13.41 (341)
Unit Depth	in (mm)	7.75 (197)	7.75 (197)	8.87 (225)	9.22 (234)
Net Weight	lb (kg)	19.62 (8.9)	19.62 (8.9)	25.35 (11.5)	33.29 (15.1)
Number of Fan Speeds		4	4	4	4
Airflow (lowest to highest)	cfm	198/237/331/362	191/237/334/362	344/422/505/505	418/506/600/629
Sound Pressure (lowest to highest)	dB(A)	27/33/42/44	29/33/42/45	36/40/44/45	35/41/46/48
Air Throw Data	ft (m)	22 (6.7)	22 (6.7)	24 (7.3)	39.4 (12)
Moisture Removal	Pint/h (L/h)	3.17 ( 1.50)	3.09 ( 1.46)	4.38 (2.07)	6.38 (3.02)
Field Drain Pipe Size O.D.	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)

Performance may vary based on the compatible outdoor units. See respective pages for performance data.



# COMFORT™ SERIES

## 40MHH HIGH WALL

### SPECIFICATIONS:

40MHH High Wall						
Heat Pump						
System						
Size		12	9	12	18	24
Indoor Model		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
Electrical						
Voltage, Phase, Cycle	V/Ph/Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor Unit Powered From Outdoor Unit				
MCA	A	0.3	0.25	0.25	0.28	0.45
Controls						
Wireless Remote Controller (° F / ° C Convertible)		Standard	Standard	Standard	Standard	Standard
Wired Remote Controller (° F / ° C Convertible)		Optional	Optional	Optional	Optional	Optional
Operating Range						
Cooling Indoor DB Min - Max	° F (° C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping						
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor						
Unit Width	in (mm)	32.00 (813)	28.53 (725)	32.00 (813)	38.36 (974)	43.83 (1,113)
Unit Height	in (mm)	11.81 (300)	11.81 (300)	11.81 (300)	12.8 (325)	13.41 (341)
Unit Depth	in (mm)	7.75 (197)	7.75 (197)	7.75 (197)	8.87 (225)	9.22 (234)
Net Weight	lb (kg)	22.49 (10.2)	21.16 (9.6)	22.49 (10.2)	31.97 (14.5)	40.12 (18.2)
Number of Fan Speeds		4	4	4	4	4
Airflow (lowest to highest)	cfm	200/265/306/329	165/229/271/324	212/282/324/353	353/412/529/559	353/483/589/647
Sound Pressure (lowest to highest)	dB(A)	29/38/42/42	31/36/40/42	34/39/41/43	34/39/44/46	38/42/48/49
Air Throw Data	ft (m)	22 (6.7)	20.3 (6.2)	22.6 (6.9)	25 (7.6)	37.7 (11.5)
Moisture Removal	Pint/h (L/h)	3.49 (1.65)	2.05 (0.97)	3.38 (1.6)	4.63 (2.19)	5.73 (2.71)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)

Performance may vary based on the compatible outdoor units. See respective pages for performance data.

**COMPATIBILITY:**

Cooling Only				
Indoor Unit	40MHHC12--A1	40MHHC12--A3	40MHHC18---3	40MHHC24---3
Outdoor Unit Single Zone	38MHRCC12AA1	38MHRCC12AA3	38MHRCC18AA3	38MHRCC24AA3
Outdoor Unit Multi-Zone				

Backward compatible with 38MHRC Single Zone.

**COMPATIBILITY:**

Heat Pump					
Indoor Unit	40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
Outdoor Unit Single Zone	38MHRQ12AA1	38MHRQ09AA3	38MHRQ12AA3	38MHRQ18AA3	38MHRQ24AA3
Outdoor Unit Multi-Zone		38MGRQ18B--3			
		38MGRQ24C--3			
		38MGRQ30D--3			
		38MGRQ36D--3			
		38MGRQ48E--3			

Backward compatible with 38MHRQ Single Zone.



# *MULTI-ZONE*

## INFINITY® SERIES 38VMH OUTDOOR UNIT



36, 48 and 60K

### FEATURES

- Up to 18.6 SEER cooling efficiency
- Up to 10.0 HSPF heating efficiency
- Available in 3-, 4- and 5-ton capacity range
- 208/230-1-60Hz power supply
- Ability to connect up to nine multiple-style indoor units on a 5-ton system
- Heat pump system
- High-performance outdoor unit with Inverter-driven scroll compressor
- Cooling operating range 5° ~ 118° F
- Heating operating range -13° ~ 64° F
- Connected capacity up to 130%
- Quiet outdoor operation, as low as 58.7 dB(A)

### COMPATIBLE WITH:

The 38VMH heat pump system can be matched with the following indoor units and controls:

40VMA, 40VMC, 40VMF, 40VMH, 40VML, 40VMM, 40VMR, 40VMU, 40VMV, 40VMW & 40VM9 (controller)

INFINITY SERIES

# Infinity® Series VRF Heat Pump

### CARRIER® VRF

Heat Pump System

36,000 to 60,000 Btu/h

3 to 5 tons

### KEY FEATURES

The Carrier 38VMH VRF heat pump system is a combination of an outdoor unit with multiple-style indoor units connected by refrigerant piping and wiring. The outdoor units have stacked dual-condenser fan with side-blow arrangement



4-way Compact  
Cassette 40VMC



4-way Cassette  
40VMF



Low Static Duct  
40VML



Medium Static Duct  
40VMM



Floor Console  
40VMR



Underceiling  
40VMU



Vertical AHU  
40VMV



High Wall  
40VMW

**SPECIFICATIONS:**

38MVH Outdoor Unit						
System						
Outdoor Unit Model Name		38VMA036HDS3-1	38VMA048HDS3-1	38VMA060HDS3-1		
Nominal Tons	Ton	3	4	5		
Performance						
Cooling Capacity (*1) (with non-ducted indoor units/ducted)	Nominal	kBtu/h	36,000	48,000	60,000	
	Rated	kBtu/h	36,000	48,000	60,000	
Heating Capacity (*1) (with non-ducted indoor units/ducted)	Nominal	kBtu/h	40,000	52,500	66,000	
	Rated	kBtu/h	40,000	52,500	66,000	
Performance Non-Ducted						
With Non-Ducted Indoor Units	Power Supply (*2)		208/230V, 1-Phase, 60Hz			
	Cooling	Power Consumption	kW	3.1	4.6	6.1
		SEER (Seasonal Energy Efficiency Ratio)	Btu/W*hr	18.0	18.0	18.6
	Heating	Power Consumption	kW	3.1	4.3	5.8
		HSPF (Heating Seasonal Performance Factor)	Btu/W*hr	9.2	9.2	9.6
Electrical Characteristics (Nominal) (*1)						
Performance Ducted						
With Ducted Indoor Units	Power Supply (*2)		208/230V, 1-Phase, 60Hz			
	Cooling	Power Consumption	kW	2.9	4.7	6.1
		SEER (Seasonal Energy Efficiency Ratio)	Btu/W*hr	17.8	17.8	18.6
	Heating	Power Consumption	kW	3.0	4.2	5.7
		HSPF (Heating Seasonal Performance Factor)	Btu/W*hr	9.6	9.6	10.0
Electrical Characteristics (Nominal) (*1)						
Dimensions						
Height			in	52-1/4		
Width			in	35-1/2		
Depth			in	15-3/4		
Total Weight	Unit			lb	220	
Compressor						
Type/Quantity			Inverter-Driven Hermetic Rotary/1			
Motor Output			kW	13		
Fan Unit						
Motor Output			W	90+90		
Air Volume			cfm	4,100		
Refrigerant (*3) (charged refrigerant amount)			lb	8.6		
Electrical Specifications	Unit	MCA (*4)	A	36	38	40
		Recommended Fuse Size	A	40	40	45
Piping						
Refrigerant Piping	Connecting Port Diameter	Gas Side (main pipe) (brazing)	in	5/8		
		Liquid Side (main pipe) (brazing)	in	3/8		
Operation Temperature Range						
Cooling			°F DB	5~118		
Heating			°F WB	-13~64		
Indoor						
Maximum Number of Connected Indoor Units			5	7	9	
Maximum Capacity of Combined Indoor Units			50 to 130%			
Sound Pressure Level Cooling/Heating (*5)			dB(A)	58.7	60.1	60.7

Specifications subject to change.

(\*1) Rated conditions      Cooling: Indoor air temperature 80 °F dry bulb / 67 °F wet bulb, outdoor air temperature 95 °F dry bulb.  
 Heating: Indoor air temperature 70 °F dry bulb, outdoor air temperature 47 °F dry bulb / 43 °F wet bulb.

(\*2) The source voltage must not fluctuate more than ±10%.

(\*3) The amount does not consider extra piping length. Refrigerant must be added on site in accordance with the actual piping length.

(\*4) Select wire size based on larger value of MCA.

MCA: Minimum Circuit Amps (Minimum Circuit Amps required for power supply design).

(\*5) These values, measured in anechoic chamber, at a point 1m in front of the unit at a height of 1.4 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

## PERFORMANCE™ SERIES

### 38MGR OUTDOOR UNIT



# Performance™ Multi-Zone Heat Pump With Basepan Heater

### FEATURES OUTDOOR:

- 100% heating capacity at 5° F (-15° C)  
Sizes 24-36 (208/230V)
- Connect 2 ~ 5, multiple-style indoor units
- Basepan heater factory installed
- Quiet outdoor operation, as low as 62 dB(A)
- Anti-corrosive fin coating
- Total piping length 131 ~ 328 ft. (40 ~ 100 m.)
- Vertical lift/drop piping length 49 ~ 65 ft. (15 ~ 20 m.)
- Cooling operating range -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range -22° ~ 86° F (-30° ~ 30° C)

### COMPATIBLE WITH:

- 40MPHA High Wall (p 24)
- 40MAHB High Wall (p 30)
- 40MHHQ High Wall (p 46)
- 40MBCQ Cassette (p 32)
- 40MBDQ Ducted (p 34)
- 40MBFQ Floor Console (p 38)
- 40MBAA Air Handler (p 36)

Performance  
SERIES

### Heat Pump With Basepan Heater

Inverter Compressor

Up to 23.8 SEER

Up to 11.5 HSPF

Sizes: 18 / 24 / 30 / 36 / 48

Select Systems are ENERGY STAR® certified based on indoor combinations



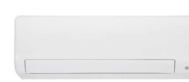
### KEY FEATURES

#### Space-saving Installation

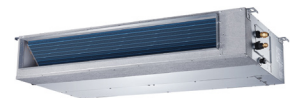
Up to five indoor units can be connected to a single outdoor unit, reducing the number of outdoor units. All indoor units can be individually controlled and do not need to be installed at the same time.

#### Multiple-style Indoor Units

Flexibility on the options of indoor unit styles to fit any application or need.



High Wall



Cassette  
Size 09 / 12 / 18

Cassette  
Size 24

Ducted



Console  
Size 12

Console  
Size 18 & 24

Air Handler  
Size 24

### COMBINATIONS:

To access the Combination Charts, please see instructions on page 53.

**Note:** Multi-zone units cannot heat and cool simultaneously.

**PERFORMANCE:**

Non-Ducted										
Size	18		24		30		36		48	
Outdoor Model	38MGRQ18B--3		38MGRQ24C--3		38MGRQ30D--3		38MGRQ36D--3		38MGRQ48E--3	
Max Number of Zones	2		3		4		4		5	
Energy Star	YES		YES		YES		YES		YES	
Cooling System Tons	1.5		2.0		2.5		3.0		4.0	
Cooling Rated Capacity	Btu/h	18,000	24,000		30,000		36,000		48,000	
Cooling Cap. Range Min - Max	Btu/h	5,810~21,940	7,880~33,510		8,090~41,470		8,560~45,020		8,560~53,160	
SEER	22.5		23.0		23.8		21.5		22.4	
EER	12.5		12.5		12.5		13.5		12.5	
Heating Rated Capacity (47° F)	Btu/h	19,000	24,000		28,000		36,000		48,000	
Heating Maximum Capacity (5° F)	Btu/h	14,400	24,450		29,230		36,660		37,290	
Heating Cap. Range Min - Max	Btu/h	5,760~24,480	6,010~36,180		6,350~41,950		7,210~50,350		7,210~55,820	
HSPF	10.3		10.3		10.0		10.5		10.2	
COP (47° F)	W/W	3.6	3.9		3.8		3.8		3.6	
COP (5° F)	W/W	2.2	2.1		2.0		1.8		2.0	

Combination and Non-Ducted										
Size	18		24		30		36		48	
Outdoor Model	38MGRQ18B--3		38MGRQ24C--3		38MGRQ30D--3		38MGRQ36D--3		38MGRQ48E--3	
Max Number of Zones	2		3		4		4		5	
Energy Star	NO		NO		NO		NO		NO	
Cooling System Tons	1.5		2.0		2.5		3.0		4.0	
Cooling Rated Capacity	Btu/h	18,000	24,000		30,000		36,000		48,500	
Cooling Cap. Range Min - Max	Btu/h	5,795~20,708	7,765~31,955		8,060~39,990		8,510~42,635		8,510~52,580	
SEER	20.50		22.00		22.40		20.25		21.45	
EER	12.15		11.75		11.25		12.40		11.30	
Heating Rated Capacity (47° F)	Btu/h	18,700	24,000		29,000		36,400		49,000	
Heating Maximum Capacity (5° F)	Btu/h	14,565	24,150		28,615		36,065		37,045	
Heating Cap. Range Min - Max	Btu/h	5,650~24,365	5,980~36,190		6,275~42,305		7,045~47,800		7,045~54,935	
HSPF	10.15		10.15		10.00		10.75		10.85	
COP (47° F)	W/W	3.7	3.9		3.7		3.7		3.5	
COP (5° F)	W/W	2.1	2.0		2.0		1.8		1.9	

Ducted										
Size	18		24		30		36		48	
Outdoor Model	38MGRQ18B--3		38MGRQ24C--3		38MGRQ30D--3		38MGRQ36D--3		38MGRQ48E--3	
Max Number of Zones	2		3		4		4		5	
Energy Star	NO		NO		NO		NO		NO	
Cooling System Tons	1.5		2.0		2.5		3.0		4.1	
Cooling Rated Capacity	Btu/h	18,000	24,000		30,000		36,000		49,000	
Cooling Cap. Range Min - Max	Btu/h	5,780~19,476	7,650~30,400		8,030~38,510		8,460~40,250		8,460~52,000	
SEER	18.5		21.0		21.0		19.0		20.5	
EER	11.8		11.0		10.0		11.3		10.1	
Heating Rated Capacity (47° F)	Btu/h	18,500	24,000		30,000		37,000		50,000	
Heating Maximum Capacity (5° F)	Btu/h	14,730	23,850		28,000		35,470		36,800	
Heating Cap. Range Min - Max	Btu/h	5,539~24,249	5,950~36,200		6,200~42,660		6,880~45,250		6,880~54,050	
HSPF	10.0		10.0		10.0		11.0		11.5	
COP (47° F)	W/W	3.8	3.8		3.6		3.6		3.4	
COP (5° F)	W/W	2.10	1.96		1.98		1.75		1.82	



# PERFORMANCE™ SERIES

## 38MGR OUTDOOR UNIT

### SPECIFICATIONS:

38MGR Outdoor Unit						
Heat Pump						
System						
Size		18	24	30	36	48
Outdoor Model		38MGRQ18B--3	38MGRQ24C--3	38MGRQ30D--3	38MGRQ36D--3	38MGRQ48E--3
Max Number of Zones		2	3	4	4	5
Operating Range						
Cooling Outdoor DB Min - Max	° F (° C)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)
Heating Outdoor DB Min - Max	° F (° C)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)
Piping						
Total Piping Length	ft (m)	131(40)	197(60)	263(80)	328(100)	328(100)
Piping to furthest FCU	ft (m)	82 (25)	98 (30)	115(35)	115(35)	115 (35)
Drop (OD above ID)	ft (m)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)
Lift (OD below ID)	ft (m)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)
Pipe Connection Size - Liquid	in (mm)	1/4*2 (6.35*2)	1/4*3 (6.35*3)	1/4*4 (6.35*4)	1/4*4 (6.35*4)	1/4*5 (6.35*5)
Pipe Connection Size - Suction	in (mm)	3/8*2 (9.52*2)	3/8*3 (9.52*3)	1/2 *1+ 3/8*3 (12.7*1+9.52*3)	1/2 *2+ 3/8*2 (12.7*2+9.52*2)	1/2 *2+ 3/8*3 (12.7*2+9.52*3)
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	4.41 (2.0)	6.17(2.8)	6.61 (3.0)	10.13 (4.6)	10.13 (4.6)
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor Unit Powered From Outdoor Unit				
MCA	A.	18	25	30	35	35
MOCP - Fuse Rating	A.	25	35	45	50	50
Compressor						
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor						
Unit Width	in (mm)	37.31 (948)	41.22 (1047)	41.22 (1047)	41.15 (1045)	41.15 (1045)
Unit Height	in (mm)	27.64 (702)	31.88 (810)	31.88 (810)	52.48 (1333)	52.48 (1333)
Unit Depth	in (mm)	14.82 (376)	17.91 (455)	17.91 (455)	17.63 (448)	17.63 (448)
Net Weight	lbs (kg)	105.8 (48)	149.9 (68)	156.5 (71)	221.6 (100.5)	223.8 (101.5)
Airflow	CFM	1,390	2,130	2,130	4,500	4,500
Sound Pressure	dB(A)	62	63	62	64	64

### COMPATIBILITY:

Indoor Unit		Outdoor Unit				
		38MGRQ18B--3	38MGRQ24C--3	38MGRQ30D--3	38MGRQ36D--3	38MGRQ48E--3
40MPHA High Wall	40MPHAQ09XA3	•	•	•	•	•
	40MPHAQ12XA3	•	•	•	•	•
40MAHB High Wall	40MAHBQ06A3	•	•	•	•	•
	40MAHBQ09B--3	•	•	•	•	•
	40MAHBQ12B--3	•	•	•	•	•
	40MAHBQ18B--3		•	•	•	•
	40MAHBQ24B--3			•	•	•
40MHHQ High Wall	40MHHQ09---3	•	•	•	•	•
	40MHHQ12---3	•	•	•	•	•
	40MHHQ18---3		•	•	•	•
	40MHHQ24---3			•	•	•
40MBCQ Cassette	40MBCQ09---3	•	•	•	•	•
	40MBCQ12---3	•	•	•	•	•
	40MBCQ18---3		•	•	•	•
	40MBCQ24---3			•	•	•
40MBCQ Ducted	40MBDQ09---3	•	•	•	•	•
	40MBDQ12---3	•	•	•	•	•
	40MBDQ18---3		•	•	•	•
	40MBDQ24---3			•	•	•
40MBFQ Console	40MBFQ12---3	•	•	•	•	•
	40MBFQ18---3		•	•	•	•
	40MBFQ24---3			•	•	•
40MBAA Air Handler	40MBAAQ24XA3			•	•	•

**RATED COMBINATIONS:**

Outdoor Models	Two Zones		Three Zones				Four Zones				Five Zones								
38MGRQ18B--3	6+6	9+9																	
	6+9	9+12																	
	6+12	12+12																	
38MGRQ24C--3	6+6			6+6+6	6+9+9	6+12+18	12+12+12												
	6+9	9+9	12+12	6+6+9	6+9+12	9+9+9													
	6+12	9+12	12+18	6+6+12	6+9+18	9+9+12													
	6+18	9+18	18+18	6+6+18	6+12+12	9+9+18													
38MGRQ30D--3	6+9	9+9	12+12	6+6+12	6+9+24	9+9+9	9+18+18	6+6+6+6	6+6+9+12	6+9+9+9	6+12+12+12	9+9+12+18							
	6+12	9+12	12+18	6+6+18	6+12+12	9+9+12	12+12+12	6+6+6+9	6+6+9+18	6+9+9+12	6+12+12+18	9+12+12+12							
	6+18	9+18	12+24	6+6+24	6+12+18	9+9+18	12+12+18	6+6+6+12	6+6+9+24	6+9+9+18	6+12+12+18	9+9+12+12+12							
	6+24	9+24	18+18	6+9+9	6+12+24	9+9+24	12+18+18	6+6+6+18	6+6+12+12	6+9+9+24	9+9+9+12								
				6+9+12	6+18+18	9+12+12	12+12+24	6+6+6+24	6+6+12+18	6+9+12+12	9+9+9+18								
				6+9+18	6+18+24	9+12+18		6+6+9+9	6+6+12+24	6+9+12+18	9+9+12+12								
38MGRQ36D--3	6+18	9+18	12+12	6+6+24	9+9+9	9+18+24	18+18+18	6+6+6+18	6+6+18+24	6+9+18+18	9+9+9+12	9+12+12+12							
	6+24	9+24	12+18	6+6+36	9+9+12	9+24+24	18+18+24	6+6+6+24	6+6+24+24	6+9+18+24	9+9+9+18	9+12+12+18							
			12+24	6+9+24	9+9+18	12+12+12		6+6+9+18	6+9+9+12	6+12+12+12	9+9+9+24	9+12+12+24							
			18+18	6+12+18	9+9+24	12+12+18		6+6+9+24	6+9+9+18	6+12+12+18	9+9+12+12	9+12+18+18							
			18+24	6+12+24	9+12+12	12+12+24		6+6+12+12	6+9+9+24	6+12+12+24	9+9+12+18	9+18+18+18							
			24+24	6+18+18	9+12+18	12+18+18		6+6+12+18	6+9+12+12	6+12+18+18	9+9+12+24	12+12+12+12							
				6+18+24	9+12+24	12+18+24		6+6+12+24	6+9+12+18	6+12+18+24	9+9+18+18	12+12+18+18							
				6+24+24	9+18+18	12+24+24		6+6+18+18	6+9+12+24	9+9+9+9	9+9+18+24	12+12+12+24							
38MGRQ48E--3	6+18		9+18	6+6+24	9+9+9	9+18+24	18+18+18	6+6+6+18	6+6+18+24	6+9+18+18	9+9+9+12	9+12+12+12	6+6+6+6+9	6+6+6+12+18	6+6+9+9+12	6+9+9+9+12	6+9+12+12+24	9+9+9+18+18	
	6+24		9+24	6+9+24	9+9+12	9+24+24	18+18+24	6+6+6+24	6+6+24+24	6+9+18+24	9+9+9+18	9+12+12+18	6+6+6+6+12	6+6+6+12+24	6+6+9+9+18	6+9+9+9+18	6+12+12+12+12	9+9+12+12+12	
			12+12	6+12+18	9+9+18	12+12+12		6+6+9+18	6+9+9+12	6+12+12+12	9+9+9+24	9+12+12+24	6+6+6+6+18	6+6+6+18+18	6+6+9+9+12	6+9+9+9+24	6+12+12+12+18	9+9+12+12+18	
			12+18	6+12+24	9+9+24	12+12+18		6+6+9+24	6+9+9+18	6+12+12+18	9+9+9+12	9+12+18+18	6+6+6+6+12	6+6+6+18+24	6+6+9+9+12	6+9+9+9+12	9+9+9+9+9	9+12+12+12+12	9+12+12+12+12
			12+24	6+18+18	9+12+12	12+12+24		6+6+12+12	6+9+9+24	6+12+12+24	9+9+12+18	9+18+18+18	6+6+6+6+9	6+6+6+18+24	6+6+9+9+12	6+9+9+9+12	9+9+9+9+12	9+12+12+12+18	9+12+12+12+18
			18+18	6+18+24	9+12+18	12+18+18		6+6+12+18	6+9+12+12	6+12+18+18	9+9+12+24	9+12+12+12	6+6+6+6+9	6+6+6+18+24	6+6+9+9+12	6+9+9+9+12	9+9+9+9+12	12+12+12+12+12	12+12+12+12+12
			18+24	6+24+24	9+12+24	12+18+24		6+6+12+24	6+9+12+18	6+12+18+24	9+9+12+18	9+12+12+18	6+6+6+6+9	6+6+6+18+24	6+6+9+9+12	6+9+9+9+12	9+9+9+9+12		
			24+24	9+9+9	9+18+18	12+24+24		6+6+18+18	6+9+12+24	9+9+9+9	9+9+18+24	12+12+12+24	6+6+6+6+12	6+6+6+18+24	6+6+9+9+12	6+9+9+9+12	9+9+9+9+12		
												12+12+18+18	6+6+6+12+12	6+6+9+12+12	6+9+9+12+18	9+9+9+12+18			



# STANDARD FEATURES GLOSSARY

## 24-Hour Timer

Set the unit to start and stop automatically in a 24-hour period.

## Airflow Panel

360° air outlet creates a soft and gentle airflow, which circulates throughout the whole space and provides an even temperature distribution in the room.

## Auto Defrosting

Prevents the evaporator from freezing and maintains dehumidifying effect in low temperature environments.

## Auto Restart Function

If the air conditioner shuts off unexpectedly due to a power outage, it will restart with the previous settings automatically when the power resumes.

## Built-In Basepan Heater

A heating belt is fitted on the base plate of the outdoor unit to prevent water accumulation, which improves heat transfer efficiency.

## Built-In Condensate Lift Pump

A powerful, built-in drain pump can lift the condensing water up to 29 inches.

## Control Box Inside the Cassette

Easy maintenance with the box right inside the Cassette indoor unit. The integrated design provides a more compact size for easier installation.

## Convenient Temperature Controls

An intuitive, easy-to-use remote control displays temperature and other functions on a bright, clear LCD screen.

## Convertible Return Air Inlet

The air inlet can be installed either at the back or bottom of the ducted unit, allowing for flexible installation to meet the needs of each job.

## Crankcase Heater

A heating belt is fitted on the compressor to prevent frosting water accumulation, which improves heat transfer efficiency.

## Diamond Outdoor Unit Design

An innovative outdoor unit reduces noise level by more than 3 dB(A), with higher reliability, easier maintenance and improved performance.

## Eco Mode

Provides the ultimate energy savings and a comfortable sleeping environment with an intelligent eight-hour night cycle program that saves up to 60% of energy.

## Extra-Low Temperature Heating

When it's cold outside, it's warm inside. High Tier and Mid-Tier Ductless systems can be used as a primary heat source, with heat output down to -22° F.

## Follow Me

A temperature sensor built into the Remote Controller will sense its surrounding temperature. The unit will adjust the room temperature more accurately to give you comfort.

## High Ambient Cooling

The indoor space can be cooled to a desired, comfortable indoor temperature, even when outside temperatures reach up to 122°F.

## High Heating Operation

The High Tier and Mid-Tier systems can be a primary heat source, with High Heating down to -22°F, so when it's cold outside, it's warm inside.

## Independent Vane Control

Airflow direction from individual outlets can be controlled separately to achieve the optimal airflow based on a room's configuration.

## Inverter Technology

With the Inverter, the outdoor unit uses only the energy required to meet the desired temperature requirements of the indoor unit, thus lowering energy consumption.

## Louver Position Memory

A horizontal louver will automatically move to the same position that was set the last time the unit was on.

## Low Ambient Cooling

Even when it's cold outside, but warm inside, the air conditioner will keep the area cool – perfect for server rooms and commercial kitchens.

## Refrigerant Leak Detection

The indoor unit shows error code "EC" and stops automatically when refrigerant leakage is detected. This protects the compressor from high temperature damage due to refrigerant leakage.

## Single and Multi-Zone Compatible

A Single Zone outdoor unit can be paired with any indoor unit type. One Multi-zone unit can be leveraged for up to five indoor units of any style.

## Sleep Mode

This function enables the system to automatically increase cooling or decrease heating by around four degrees for the first two hours, then holds steady for the next five hours. After that, it will switch off. This function achieves both energy savings and comfort at night.

## Stepless Frequency Adjustment

Precise control maintains a stable and constant room temperature while reducing the sound level and saving energy.

## Two-Way Draining

Connections, piping and drainage can be installed from both the left and right on the High Wall.

## Universal Matching

Get maximum flexibility with up to five different indoor units connected to one outdoor unit. Maintain a different temperature in each room for ultimate comfort, with the best indoor unit choice for each. Universal matching units are also available for Single Zone outdoor units. One outdoor unit can match any type of indoor unit.

## Wired Remote Controller

Compared to an infrared remote controller, a Wired Controller can be fixed on the wall and makes air conditioner operation more convenient for larger setups or ducted units.



[carrierductless.com](http://carrierductless.com)

## CARRIER DUCTLESS & VRF

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